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0905- #10

OIPE

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/955,259B

DATE: 09/12/2002
 TIME: 12:26:12

Input Set : A:\52071-4.ST25.txt
 Output Set: N:\CRF4\09122002\I955259B.raw

3 <110> APPLICANT: Annibali, Nestor
 5 <120> TITLE OF INVENTION: Expression of a Human Insulin Precursor In P. Pastoris
 7 <130> FILE REFERENCE: 52071.4
 9 <140> CURRENT APPLICATION NUMBER: US 09/955,259B
 C- > 10 <141> CURRENT FILING DATE: 2002-08-30
 12 <160> NUMBER OF SEQ ID NOS: 26
 14 <170> SOFTWARE: PatentIn version 3.1
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 36
 18 <212> TYPE: DNA
 19 <213> ORGANISM: Artificial Sequence
 21 <220> FEATURE:
 22 <223> OTHER INFORMATION: Synthetic Primer
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 29 <211> LENGTH: 45
 30 <212> TYPE: DNA
 31 <213> ORGANISM: Artificial Sequence
 33 <220> FEATURE:
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 37 ggtcttgggt gtgtagaaga agcctcgttc cccgcacact aggta 45
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 41 <211> LENGTH: 39
 42 <212> TYPE: DNA
 43 <213> ORGANISM: Artificial Sequence
 45 <220> FEATURE:
 46 <223> OTHER INFORMATION: Synthetic Primer
 48 <400> SEQUENCE: 3
 49 ttgtgaacc aacacctgtg cggctcacac ctggtggaa 39
 52 <210> SEQ ID NO: 4
 53 <211> LENGTH: 45
 54 <212> TYPE: DNA
 55 <213> ORGANISM: Artificial Sequence
 57 <220> FEATURE:
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 60 <400> SEQUENCE: 4
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 64 <210> SEQ ID NO: 5
 65 <211> LENGTH: 52
 66 <212> TYPE: DNA
 67 <213> ORGANISM: Artificial Sequence

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70 <223> OTHER INFORMATION: Synthetic Primer
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77 <211> LENGTH: 162
78 <212> TYPE: DNA
79 <213> ORGANISM: Artificial Sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: complete synthetic insulin precursor obtained by PCR using
human
83     insulin sequence as original source
85 <400> SEQUENCE: 6
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88 gaacgaggct tcttctacac acccaagacc aagcgtggca ttgtggaaca atgctgtacc    120
90 agcatctgct cctctacca gctggagaac tactgcaact ag                          162
93 <210> SEQ ID NO: 7
94 <211> LENGTH: 50
95 <212> TYPE: DNA
96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: Synthetic Primer
101 <400> SEQUENCE: 7
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105 <210> SEQ ID NO: 8
106 <211> LENGTH: 50
107 <212> TYPE: DNA
108 <213> ORGANISM: Artificial Sequence
110 <220> FEATURE:
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113 <400> SEQUENCE: 8
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118 <211> LENGTH: 33
119 <212> TYPE: DNA
120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: Synthetic Primer
125 <400> SEQUENCE: 9
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130 <211> LENGTH: 66
131 <212> TYPE: DNA
132 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: Synthetic Primer
137 <400> SEQUENCE: 10
138 ttactcgagt tagttacagt agttttccaa ttggtacaaa gaacagatag aagtacaaca    60
140 ttgttc                                          66
143 <210> SEQ ID NO: 11

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145 <212> TYPE: DNA
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157 <212> TYPE: DNA
158 <213> ORGANISM: Artificial Sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: synthetic insulin precursor, obtained by PCR using human
insulin
162     sequence as original source
164 <400> SEQUENCE: 12
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167 gaaagagggt tcttctacac tccaaagact aagagaggta tcgttgaaca atgttgtact 120
169 tctatctgtt ctttgtacca attggaaaac tactgttaact aa 162
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173 <211> LENGTH: 56
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178 <223> OTHER INFORMATION: Synthetic Primer
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187 <213> ORGANISM: Artificial Sequence
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190 <223> OTHER INFORMATION: Synthetic Primer
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195 actgctca 68
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199 <211> LENGTH: 71
200 <212> TYPE: DNA
201 <213> ORGANISM: Artificial Sequence
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209 gtttcgtctt c 71
212 <210> SEQ ID NO: 16
213 <211> LENGTH: 66
214 <212> TYPE: DNA
215 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:

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218 <223> OTHER INFORMATION: Synthetic Primer
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221 gatgaacaac aaaccattat tagtagagtt agagaaaggc aaaacagcaa cgtcgaagtc      60
223 accttc                                                                    66
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227 <211> LENGTH: 72
228 <212> TYPE: DNA
229 <213> ORGANISM: Artificial Sequence
231 <220> FEATURE:
232 <223> OTHER INFORMATION: Synthetic Primer
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237 caacaaacca tt                                                                72
240 <210> SEQ ID NO: 18
241 <211> LENGTH: 267
242 <212> TYPE: DNA
243 <213> ORGANISM: Artificial Sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: synthetic sequence of alpha factor from S. cerevisiae,
obtained b
247 y PCR
249 <400> SEQUENCE: 18
250 atgagattcc catctatctt cactgctggt ttgttcgctg cttcttctgc tttggctgct      60
252 cctgttaaca ctactactga agacgaaact gctcaaattc cagctgaagc gggttatcgt      120
254 tactctgact tggaagggtga cttcgacggt gctgttttgc ctttctctaa ctctactaat      180
256 aatggtttgt tgttcatcaa cactactatc gcttctatcg ctgctaagga agaggggtgt      240
258 tctctcgaga agagagaggc tgaagca                                              267
261 <210> SEQ ID NO: 19
262 <211> LENGTH: 44
263 <212> TYPE: DNA
264 <213> ORGANISM: Artificial Sequence
266 <220> FEATURE:
267 <223> OTHER INFORMATION: Synthetic Primer
269 <400> SEQUENCE: 19
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273 <210> SEQ ID NO: 20
274 <211> LENGTH: 32
275 <212> TYPE: DNA
276 <213> ORGANISM: Artificial Sequence
278 <220> FEATURE:
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281 <400> SEQUENCE: 20
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287 <212> TYPE: DNA
288 <213> ORGANISM: Artificial Sequence
290 <220> FEATURE:
291 <223> OTHER INFORMATION: Synthetic Primer
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298 <211> LENGTH: 28
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300 <213> ORGANISM: Artificial Sequence
302 <220> FEATURE:
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306 gtcgtggttt ctcatagtag agtggaca 28
309 <210> SEQ ID NO: 23
310 <211> LENGTH: 18
311 <212> TYPE: DNA
312 <213> ORGANISM: Artificial Sequence
314 <220> FEATURE:
315 <223> OTHER INFORMATION: Synthetic Primer
317 <400> SEQUENCE: 23
318 ggtcatcact gtcctatc 18
321 <210> SEQ ID NO: 24
322 <211> LENGTH: 19
323 <212> TYPE: DNA
324 <213> ORGANISM: Artificial Sequence
326 <220> FEATURE:
327 <223> OTHER INFORMATION: Synthetic Primer
329 <400> SEQUENCE: 24
330 agcagcacca gtggaagat 19
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335 <212> TYPE: DNA
336 <213> ORGANISM: Artificial Sequence
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339 <223> OTHER INFORMATION: Synthetic Primer
341 <400> SEQUENCE: 25
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345 <210> SEQ ID NO: 26
346 <211> LENGTH: 4
347 <212> TYPE: PRT
348 <213> ORGANISM: Saccharomyces cerevisiae
350 <400> SEQUENCE: 26
352 Lys Arg Glu Ala
353 1
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VERIFICATION SUMMARY

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L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date